

OPINION 969

POEKILOCERUS AUDINET-SERVILLE, 1831 (INSECTA, ORTHOPTERA): DESIGNATION OF A TYPE-SPECIES UNDER THE PLENARY POWERS TOGETHER WITH VALIDATION OF PYRGOMORPHIDAE BRUNNER VON WATTENWYL, 1874

RULING.—(1) Under the plenary powers:

- (a) all designations of type-species for the nominal genus *Poecilocerus* Audinet-Serville, 1831, made prior to the present Ruling, are hereby set aside, and the nominal species *Gryllus pictus* Fabricius, 1775, is hereby designated to be the type of that genus;
- (b) all designations of type-species for the nominal genus *Pamphagus* Thunberg, 1815, made prior to that by Kirby, 1910, are hereby set aside;
- (c) it is hereby ruled that the family-group name PYRGOMORPHIDAE Brunner von Wattenwyl, 1874, is to be given precedence over POEKILOCERIDAE Burmeister, 1840, and PHYMATEIDAE Burmeister, 1840, under any circumstances that lead to these names being considered synonymous and co-ordinate.

(2) The following generic names are hereby placed on the Official List of Generic Names in Zoology with the Name Numbers specified:

- (a) *Zonocerus* Stål, 1873 (gender: masculine), type-species, by designation by Kirby, 1910, *Gryllus elegans* Thunberg, 1815 (Name No. 1949);
- (b) *Poecilocerus* Audinet-Serville, 1831 (gender: masculine), type-species, by designation under the plenary powers in (1)(a) above, *Gryllus pictus* Fabricius, 1775 (Name No. 1950);
- (c) *Pamphagus* Thunberg, 1815 (gender: masculine), type-species, by designation by Kirby, 1910 (validated under the plenary powers in (1)(b) above), *Gryllus Locusta elephas* Linnaeus, 1758 (Name No. 1951);
- (d) *Pyrgomorpha* Audinet-Serville, [1838] (gender: feminine), type-species, by designation by Kirby, 1910, *Truxalis rosea* Charpentier, 1825 (Name No. 1952);
- (e) *Phymateus* Thunberg, 1815 (gender: masculine), type-species, by designation by Kirby, 1910, *Gryllus Locusta morbillosus* Linnaeus, 1758 (Name No. 1953);
- (f) *Dictyophorus* Thunberg, 1815 (gender: masculine), type-species, by designation by Kirby, 1902, *Gryllus spumans* Thunberg, 1787 (Name No. 1954).

(3) The following specific names are hereby placed on the Official List of Specific Names in Zoology with the Name Numbers specified:

- (a) *elegans* Thunberg, 1815, as published in the binomen *Gryllus elegans* (type-species of *Zonocerus* Stål, 1873) (Name No. 2458);
- (b) *pictus* Fabricius, 1775, as published in the binomen *Gryllus pictus* (type-species of *Poecilocerus* Audinet-Serville, 1831) (Name No. 2459);
- (c) *elephas* Linnaeus, 1758, as published in the combination *Gryllus Locusta elephas* (type-species of *Pamphagus* Thunberg, 1815) (Name No. 2460);

- (d) *conicum* Olivier, 1791, as published in the binomen *Acrydium conicum* (Name No. 2461);
 - (e) *morbillosus* Linnaeus, 1758, as published in the combination *Gryllus Locusta morbillosus* (type-species of *Phymateus* Thunberg, 1815) (Name No. 2462);
 - (f) *spumans* Thunberg, 1787, as published in the binomen *Gryllus spumans* (type-species of *Dictyophorus* Thunberg, 1815) (Name No. 2463);
 - (g) *variegatus* Linnaeus, 1758, as published in the combination *Gryllus Locusta variegatus* (Name No. 2464).
- (4) The following family-group names are hereby placed on the Official List of Family-Group Names in Zoology with the Name Numbers specified:
- (a) PAMPHAGIDAE Burmeister, 1840 (type-genus *Pamphagus* Thunberg, 1815) (Name No. 463);
 - (b) PYRGOMORPHIDAE (correction of PYRGOMOPHIDEN) Brunner von Wattenwyl, 1874 (type-genus *Pyrgomorpha* Audinet-Serville, [1838]) (by a Ruling under the plenary powers to be given precedence over POEKILO CERIDAE Burmeister, 1840, and PHYMATEIDAE Burmeister, 1840, under any circumstances that may lead to these names being regarded as synonymous and co-ordinate) (Name No. 464);
 - (c) POEKILO CERIDAE (correction of POECILO CERIDAE) Burmeister, 1840 (type-genus *Poekilocerus* Audinet-Serville, 1831) (by a Ruling under the plenary powers, not to be given precedence over PYRGOMORPHIDAE Brunner von Wattenwyl, 1874) (Name No. 465);
 - (d) PHYMATEIDAE (correction of PHYMATIDAE) Burmeister, 1840 (type-genus *Phymateus* Thunberg, 1815) (by a Ruling under the plenary powers, not to be given precedence over PYRGOMORPHIDAE Brunner von Wattenwyl, 1874) (Name No. 466);
 - (e) DICTYOPHORINI Kirby, 1902 [Feb. 4] (type-genus *Dictyophorus* Thunberg, 1815) (Name No. 467).
- (5) The family-group name PETASIAE Bolívar, 1884 (type-genus *Petasia* Audinet-Serville, 1831) (invalid because the name of the type-genus is a junior homonym) is hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology with the Name Number 460.
- (6) The generic name *Petasia* Audinet-Serville, 1831 (a junior homonym of *Petasia* Stephens, 1828) is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology with the Name Number 1996.

HISTORY OF THE CASE (Z.N.(S.) 1650)

The present case was submitted in part to the office of the Commission by Dr. D. Keith McE. Kevan in May 1964. Dr. Kevan's application was sent to the printer on 13 July 1964 and published on 26 November 1964 in *Bull. zool. Nomencl.* 21 : 377-385. No comment was received.

On 19 September 1966 the Members of the Commission were invited to vote under the Three-Month Rule on Voting Paper (66)47 either for or against the proposals set out in *Bull. zool. Nomencl.* 21 : 381-384. At the close of the prescribed voting period on 19 December 1966 the state of the voting was as follows:

Affirmative votes—nineteen (19), received in the following order: Boschma, Simpson, Mayr, Vokes, Obruchev, China, Bonnet, Uchida, Binder, Munroe, Jaczewski, Tortonese, Alvarado, Ride, Stoll, Kraus, Mertens, Forest, Evans.

Negative votes—one (1): Holthuis.

Voting Papers not returned—one (1): Hubbs.

Commissioner do Amaral returned a late affirmative vote. Commissioners Lemche, Brinck and Sabrosky did not vote, making the following comments:

Dr. H. Lemche (20.x.66): "I do not feel able to vote as long as the proposals have not been clearly set out in a form omitting all sorts of remarks explaining the opinions of the proposer but on which I can have no ideas".

Prof. P. Brinck (2.xii.66): "This is a complex case. It is very hard to decide without any comments from a specialist."

Dr. C. W. Sabrosky (5.xii.66): "I do not oppose the application's intent but I call attention to the fact that plenary powers are required to achieve two of the ends desired: (1) PYRGOMORPHIDAE is not the oldest valid name for the group (Art. 23d(i)), and decision under Art. 23b(ii), to adopt the junior name, would still require plenary action. (2) Re *Pamphagus*, and contrary to Kevan's footnote (*Bull.*: 382), I hold that the wording of Art. 69a(iii) ('... an author is considered to have designated . . .') is a binding rule and not permissive. It does not say 'may be considered'. Accordingly, I believe plenary powers are also required here."

In February 1969 Dr. Kevan submitted a revised application concerning the family-group names in this case asking that, the plenary powers should be used to give priority to PYRGOMORPHIDAE over its senior synonyms and to designate a type-species for *Pamphagus*. Dr. Kevan also added a new proposal to use the plenary powers to designate a type-species for *Poecilocerus*. The revised application was sent to the printers on 15 February 1969 and was published on 8 August 1969 in *Bull. zool. Nomencl.* **26**: 72–77. Public Notice of the possible use of the plenary powers in the present case was given in the same part of the *Bulletin* as well as to the other prescribed serial publications (Constitution Art. 12b; *Bull. zool. Nomencl.* **21**: 184) and to seven entomological serials. No comment was received.

DECISION OF THE COMMISSION

On 29 October 1970 the Members of the Commission were invited to vote under the Three-Month Rule on Voting Paper (70)40 either for or against the proposals set out in *Bull. zool. Nomencl.* **26**: 73–74 and on Voting Paper (70)41 either for or against the proposals set out *ibid.* **26**: 74–76. Because of a strike of British postal workers the voting period on these Voting Papers was extended to 31 March 1971, and on that date the state of the Voting was as follows:

On V.P. (70)40. Affirmative votes—eighteen (18), received in the following order: Melville, Mayr, Lemche, Holthuis, Simpson, Brinck, Obruchev, Eisenmann, Bonnet, Vokes, Tortonese, Jaczewski, Starobogatov, Ride, Alvarado, Binder, Sabrosky, Forest.

Negative votes—none (0).

On V.P. (70)41. Affirmative votes—eighteen (18): Melville, Mayr, Lemche,

Holthuis, Simpson, Brinck, Obruchev, Eisenmann, Bonnet, Vokes, Tortonese, Jaczewski, Starobogatov, Ride, Alvarado, Binder, Sabrosky, Forest.

Negative votes—none (0).

Voting Papers not returned—two (2): Kraus, Munroe.

ORIGINAL REFERENCES

The following are the original references for names placed on Official Lists and Indexes by the Ruling given in the present Opinion:

conicum, *Acrydium*, Olivier, 1791, *Ency. méth.* 6 : 230

DICTYOPHORINI Kirby, 1902 [Feb. 4], *Proc. zool. Soc. Lond.* 1902 : 97

Dictyophorus Thunberg, 1815, *Mém. Acad. Sci. St.-Petersb.* 5 : 214, 217, 258

elegans, *Gryllus*, Thunberg, 1815, *Mém. Acad. Sci. St.-Petersb.* 5 : 226

elephas, *Gryllus Locusta*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 431

morbillosus, *Gryllus Locusta*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 431

PAMPHAGIDAE Burmeister, 1840, *Z. Ent. (German)* 2(1) : 45, 46

Pamphagus Thunberg, 1815, *Mém. Acad. Sci. St.-Petersb.* 5 : 217, 260

Petasia Audinet-Serville, 1831, *Ann. Sci. nat. (Zool.)* 22 : 278

PETASIAE Bolívar, 1884, *An. Soc. esp. Hist. nat.* 13 : 21, 25, 471, 497

PHYMATEIDAE Burmeister, 1840, *Z. Ent. (German)* 2(1) : 45, 46

Phymateus Thunberg, 1815, *Mém. Acad. Sci. St.-Petersb.* 5 : 214, 216, 217

pictus, *Gryllus*, Fabricius, 1775, *Syst. Ent.* : 289

POEKILOCERIDAE Burmeister, 1840, *Z. Ent. (German)* 2(1) : 45, 46

Poekilocerus Audinet-Serville, 1831, *Ann. Sci. nat. (Zool.)* 22 : 275

Pyrgomorpha Audinet-Serville, [1838], *Hist. nat. Ins. Orth.* : 583

PYRGOMORPHIDAE Brunner von Wattenwyl, 1874, *Verz. zool.-bot. Ges. Wien* 24 : 225

spumans, *Gryllus*, Thunberg, 1787, *Mus. Nat. Acad. Upsal.* 5 : 59

variegatus, *Gryllus Locusta*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 432

Zonocerus Stål, 1873, *Öfv. K. svensk. Vetensk.-Akad. Förh.* 30(4) : 51

The following are the original references for the designation of type-species for genera concerned in the present Ruling:

For *Dictyophorus* Thunberg, 1815: Kirby, 1902, *Trans. ent. Soc. Lond.* 1902 : 88

For *Pamphagus* Thunberg, 1815: Kirby, 1910, *Syn. Cat. Orth.* 3 : 352

For *Phymateus* Thunberg, 1815: Kirby, 1910, *Syn. Cat. Orth.* 3 : 312

For *Pyrgomorpha* Audinet-Serville, [1838]: Kirby, 1910, *Syn. Cat. Orth.* 3 : 324

For *Zonocerus* Stål, 1873: Kirby, 1910, *Syn. Cat. Orth.* 3 : 315

CERTIFICATE

I certify that the votes cast on Voting Papers (70)40 and 41 were cast as set out above, that the proposals contained in those Voting Papers have been duly adopted under the plenary powers, and that the decision so taken, being the decision of the International Commission, is truly recorded in the present Opinion No. 969.

R. V. MELVILLE
Secretary

International Commission on Zoological Nomenclature

London

23 June 1971